



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Kevin J. Knight

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Serial No.:

10/054,164

JUL 1 1 2003

Filed:

January 22, 2002

Technology Center 2100

Art Unit:

2141

Patent Examiner:

Kenneth R. Coulter

Title:

METHOD AND APPARATUS FOR SELECTING, MODIFYING

AND SUPERIMPOSING ONE IMAGE ON ANOTHER

July 2, 2003

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Applicant submits herewith copies of documents known to applicant and his counsel which he believes may be material to the examination of this application and in respect of which there may be a duty to disclose in compliance with the requirements of 37 C.F.R. §1.56.

- 1. The subject application is a continuation of US Patent Application Serial No. 09/479,284, which was filed on January 6, 2000 and was issued on February 5, 2002 as US Patent No. 6,344,853. The following references were cited with respect to this patent:
 - a. Parkyn, 4,675,725, 06-1987
 - b. Hattori et al., 4,706,075, 11-1987

- c. Blancato, 4,731,743, 03-1988
- d. Chang, 4,868,552, 09-1989
- e. Kinoshita et al., 5,109,272, 04-1992
- f. Yamaguchi, 5,130,801, 07-1992
- g. Bartlett, 5,283,560, 02-1994
- h. Kagawa, 5,357,601, 10-1994
- i. Homma et al., 5,383,111, 01-1995
- j. Fellous, 5,479,597, 12-1995
- k. Jarrige et al., 5,490,080, 02-1996
- 1. Choi, 5,598,224, 01-1997
- m. Sekine et al, 5,614,945, 03-1997
- n. Korszun, 5,680,528, 10-1997
- o. Hassan et al., 5,689,562, 11-1997
- p. Nakatani et al., 5,805,237, 09-1998
- q. Hill, 5,970,471, 10-1999
- r. Fantone et al., 6,026,215, 02-2000
- s. EP 0414222, 04-1996
- t. EP 0677954, 10-1995
- u. JP 4021077, 01-1992
- v. JP 6027933, 02-1994
- w. JP 6118923, 04-1994
- x. JP 62166475, 07-1987
- y. JP 09220203, 08-1997

- z. EP1 124200A2, 08-2001
- aa. BCEnet Design (www.hypermart.net/superimpose/).
- bb. BRANDERS.COM (www.Branders.com).
- cc. Blackwell, M. et al., "Performance and accuracy experiments with 3D and 2D image overlay systems", Second Annual International Symposium on Medical Robotics and Computer Assisted Surgery, MRCAS '95 1995, pp. 312-317.
- dd. Evangelest, C.J., et al., "Display architecture to allow rapid updating of a bit-mapped display with automatic regeneration of affected elements", IBM Technical Disclosure Bulletin, vol. 27, No. 1B, Jun. 1984, pp. 847-848.
- ee. Fleming, J.S., "A general software package for the handling of medical images", Journal of Medical Engineering & Technology, vol. 15, No. 4-5, Jul.-Oct. 1991, pp. 162-169.
- ff. Huller, F., et al., "Workstation transfers graphics data processing to the periphery", Elektronik, vol. 32, No. 9, May 6, 1983, pp. 75-79.
- gg. Ichikawa, K., et al., "Processing map and drawing data on MAP VISION", NTT R&D, vol. 41, No. 5, 1992, pp. 609-618.
- hh. Sato, K., "Characteristics of kinoform by LCD and application to display the animated color 3D image", The International Society for Optical Engineering, vol. 2176, 1994, pp. 42-9.
 - ii. TOMAX (www.tomaxusa.com/e-sample/).
- jj. Uenohara, M., et al., "Vision-based object registration for real-time overlay", ComputerVison, Virtual Reality and Robotics in Medicine. First International Conference, CVRMed '95. Proceedings 1995, pp. 13-22.
- kk. Uenohara, M., et al., "Vision-based object registration for real-time image overlay", Computers in Biology and Medicine, vol. 25, No. 2, Mar. 1995, pp. 249-260.
- ll. Van Gelder, A., "Doing it with mirrors; low budget stereo graphics", The International Society for Optical Engineering, vol. 2178, 1994, pp. 68-77.
- mm. Vinogradov, K.M., "Some problems arising during the construction of a three-dimensional model of artificial and natural objects by means of computer", Soviet Journal of Optical Technology, vol. 58, NO. 11, Nov. 1991, pp. 746-749.
 - nn. The Virtual Family Bragbook (www.noteworthydesigns.com).
 - oo. Vistech Home Page (www.mrangel.com).
- pp. Weili, R., "BGI bitmap image overlay processing", Min-i-Micro Syst. (China), vol. 14, No. 6, 1993, pp. 38-41.

- 2. U.S. Patent Application Serial No. 09/784,395 was filed on February 15, 2001 in the names of Conley Wilson Gilles and Thomas Alan Gingrup, and was subsequently published as US Patent Application Publication No. US 2001/0050690 on December 13, 2001. This application has been examined by the USPTO and an initial Office Action was issued May 7, 2003. A copy of this May 7, 2003 Office Action is enclosed. This Office Action cited the following references as with respect to this application:
 - a. Stansfield et al., 5,140,314, 08-1992
 - b. Yoda, Kiyoshi, 5,515,268, 05-1996
 - c. Hassan et al., 5,689,562, 11-1997
 - d. Steinberg, Eran, 5,862,218, 01-1999
 - e. Oberg, Larry B., 5,870,771, 02-1999
 - f. Halliday et al., 5,880,740, 03-1999
 - g. Romano et al., 5,920,685, 07-1999
 - h. Hill, 5,970,471, 10-1999
 - i. Dries et al., 5,986,670, 11-1999
 - j. Hekmatpour et al., 5,982,350, 11-1999
 - k. Bornstein, Raanan, 6,144,388, 11-2000
 - 1. Sivan et al., 6,281,874, 08-2001
 - m. Sawano et al., 6,285,381, 09-2001
 - n. Miyahara et al., 6,341,350, 01-2002
 - o. Knight, Kevin J., 6,344,853, 02-2002
 - p. Ramsey et al., 6,353,770, 03-2002
 - q. Enomoto, Jun, 6,356,339, 03-2002
 - r. Platzker et al., 6,388,654, 05-2002
 - s. Ohki et al., 6,392,659, 05-2002

- t. Berger et al., 6,414,693, 07-2002
- u. Akasawa et al., 6,483,540, 11-2002
- v. von Rosen et al., 6,493,677, 12-2002
- w. Cook, David Philip, 6,496,744, 12-2002
- x. Kimura et al., 6,519,351, 02-2003
- 3. U.S. Patent Application Serial No. 09/784,395 of Giles et al. claims priority of a Provisional Application No. 60/157,173, which was filed on Sept. 30, 1999. A copy of this Provisional Application is enclosed herewith.
- 4. Enclosed with this Statement, the Applicant further includes copies of two (2) press releases of Macromedia dated April 14, 1998 and August 17, 1998. These two releases related to a variety of software tools. The undersigned is seeking to secure a copy of this software (believed to be available in disc form) and, when received, will file same in the USPTO.

Form PTO/SB/08A is enclosed in duplicate. The undersigned understands that the current practice of the USPTO is not to require the submission of copies of US Patents that are listed on the PTO/SB/08A form and, therefore, has not submitted copies of the listed US Patents. If the Examiner would like to receive copies of the listed US Patents, he is requested to give the undersigned a telephone call to so request same. Copies of the cited Foreign Patents and publications may be found in the file of the above identified parent application of the subject application.

Applicant does not waive any rights to take appropriate action to establish patentability over any of the listed documents should they be applied as references against the claims of the present application.

This statement should not be construed as a representation that more material information does not exist or that an exhaustive search of the relevant art has been made.

Consideration of the cited documents and making the same of record in the prosecution of the above-identified application are respectfully requested.

Respectfully submitted,

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Application Number	10/054,164				
Filing Date	January 22, 2002				
First Named Inventor	Kevin J. Knight				
Group Art Unit	2141				
Examiner Name	Kenneth R. Coulter				
Attorney Docket Number	24544.01				

U.S. PATENT DOCUMENTS

Examiner nitials	Cite No.1 Number	ent Document Kind Code² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	2001/0050	0690A1	Giles et al.	12-2001	
	2001/003		Lunetta et al.	10-2001	
	3,987,243		Schwartz	10-1976	
	4,261,012		Maloomian	04-1981	RECEIVE
	4,276,570		Burson, et al.	06-1981	
	4,297,724		Masuda, et al.	10-1981	4 4 000
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	4,486,774		Maloomian	12-1984	
	4,539,585		Spackova, et al.	09-1985	Technology Cente
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	5,357,439		Matsuzaki et al.	10-1994	
	5,357,601		Kagawa	10-1994	
	5,383,111	1 1	Homma et al.	01-1995	
	5,479,597		Fellous	12-1995	
	5,490,080		Jarrige et al.	02-1996	
	5,495,568		Beavin	02-1996	

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^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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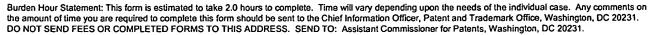
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		5,680,528		Korszun	10-1997	
		5,689,562		Hassan et al.	11-1997	DECENTED
		5,745,661		Koh, et al.	04-1998	RECEIVED
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-		5,862,218		Steinberg, Eran	01-1999	Tooms on the state of the state
		5,870,771	\neg	Oberg, Larry B.	02-1999	
		5,880,740		Halliday et al.	03-1999	
		5,920,685		Romano et al.	07-1999	
		5,956,737		King et al.	09-1999	
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		5,986,670		Dries et al.	11-1999	
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-+		6,026,371		Beck et al.	02-2000	
		6,083,267		Motomiya et al	07-2000	
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_		6,285,381	— -	Sawano et al.	09-2001	
		6,307,568		Rom, E.	10-2001	
- -		6,341,350	- 	Miyahara et al.	01-2002	
-		6,344,853		Knight, Kevin J.	02-2002	
		6,353,770		Ramsey et al.	03-2002	
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Examiner Name	Kenneth R. Coulter			
Attorney Docket Number	24544.01	_		

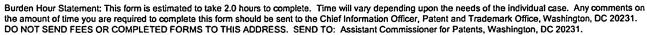
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		6,356,339		Enomoto, Jun	03-2002			
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		6,483,540		Akasawa et al.	11-2002			
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		6,496,744		Cook, David Philip	12-2002			
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			JP 6027933			02-1994		
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			JP 62166475			07-1987		
			JP 09220203			08-1997		
			EP1 124200A2			08-2001	-	

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Filing Date January 22, 2002

First Named Inventor Kevin J. Knight

Group Art Unit 2141

Examiner Name Kenneth R. Coulter

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				Application Number	10/054,164	
INFORMATION DISCLOSURE			CLOSURE	Filing Date	January 22, 2002	
STATEMENT BY APPLICANT		First Named Inventor	Kevin J. Knight			
		Group Art Unit	2141			
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	VAN GELDER, A., "Doing it with mirrors; low budget stereo graphics", The International Society for Optical Engineering, vol. 2178, 1994, pp. 68-77.	
	VINOGRADOV, K.M., "Some problems arising during the construction of a three-dimensional model of artificial and natural objects by means of computer", Soviet Journal of Optical Technology, vol. 58, NO. 11, Nov. 1991, pp. 746-749.	
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